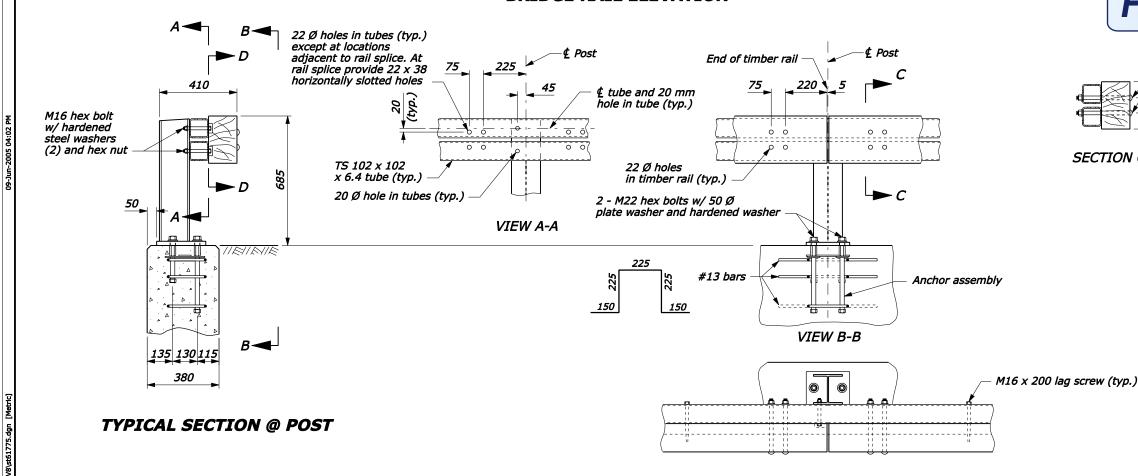


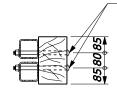
BRIDGE RAIL ELEVATION



NOTE:

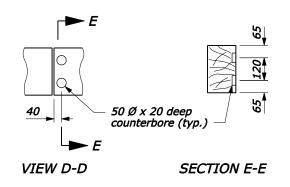
- 1. Steel for rail posts, base plates, shims, splice sleeves, and anchor assembly plates conforms to ASTM A36. Structural tubing for rails conforms to ASTM A500, Grade B. Paint all metal components of the bridge rail except post base shims, anchor assemblies, and rail splice sleeves. Galvanize post base shims, anchor assemblies, and rail splice sleeves. Hex bolts conform to AASHTO M164 (ASTM A325). Hex coupling nuts conform to ASTM A563, Grade C, D, or DH and shall have a center stop. All other fasteners conform to ASTM A307. See Special Contract Requirements for painting.
- 2. Shop fabricate structural steel. Submit shop drawings to the CO for approval before fabrication. Provide drawings showing rail section lengths, splice locations, rail post spacing, and fastener lengths. Welding conforms to ANSI/AASHTO/AWS D1.5. Use a certified welder. Fabricate all steel before galvanizing
- 3. Section lengths of TS 102 x 102 rails shall be continuous over a minimum of three posts.
- 4. Provide neat cement grout consisting of a mixture of cement and water mixed to a smooth viscous paste.
- 5. Erect the rail parallel to grade.
- 6. Timber conforms to Subsection 710.08.
- 7. Dimensions without units are millimeters.

FOR COMMENT



M20 round head square neck bolt w/ standard washer, lock washer, and hex nut, (typ.) except at locations adjacent to rail splice. At rail splice hand tighten bolts to snug position and provide standard washer w/ hex nut and hex jam nut

SECTION C-C



U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY

METRIC STANDARD

STEEL TUBE-BACKED **TIMBER BRIDGE RAIL**

Sheet 1 of 3

STANDARD APPROVED FOR USE/	STANDARD
REVISED: DRAFT: 6/2005	M617-75

PLAN VIEW @ POST

NO SCALE

